

ABSTRACT OF THE DISCLOSURE

An image sensor includes: (a) a plurality of light measuring elements arranged in an array and at least a portion of the elements have a color filter mated with the light receiving elements which permits selective color reception by the light measuring elements; (b) a plurality of floating diffusions respectively mated with the plurality of light receiving elements; and c) an output structure electrically connected to two or more of the floating diffusions; wherein the at least two light receiving elements receiving the same color are transferred to the output structure substantially simultaneously.

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